

## ER-2 #809 01/12/16

Aircraft: [ER-2 - AFRC #809](#) ([See full schedule](#))

Flight Number: 16-9031

Payload Configuration: AVIRIS-C

Nav Data Collected: Yes

Total Flight Time: 3.2 hours

**Comments:** The mission for Flight 16-9031 was to fly over the methane leak in Porter Ranch, CA. Nine total lines were flown (3 lines, 3 times each). With northerly winds at about 40 knts, Stu said he got the ER-2 down to 96 knts against the wind during the overflights. AVIRIS performed as expected. The pilot was Stu Broce. Stu's pilot proficiency portion of the flight was not flown as planned.

Submitted by: Kevin Walsh on 01/13/16

### Flight Segments:

|                    |   |     |              |
|--------------------|---|-----|--------------|
| From:              | PMD   | To: | PMD          |
| Date:              | 01/12/16  |     |              |
| Flight Time:       | 3.2 hours   |     |              |
| Log Number:        | <a href="#">162020</a>                                | PI: | Robert Green |
| Funding Source:    | Diane Wickland - NASA - SMD - ESD Terrestrial Ecology |     |              |
| Purpose of Flight: | Science   |     |              |

### Flight Hour Summary:

|                                  | 142019 | 152015 | 162020 | 172033 |
|----------------------------------|--------|--------|--------|--------|
| Flight Hours Approved in SOFRS   | 11     | 30     |        |        |
| Flight Hours Previously Approved |        | 3.2    | 28.4   | 14.7   |
| Total Used                       | 7.8    | 4.8    | 13.7   | 0.5    |
| Total Remaining                  |        |        |        | 14.2   |

### 172033 Flight Reports

| Date                     | Flt #   | Purpose of Flight | Duration | Running Total | Hours Remaining | Miles Flown |
|--------------------------|---------|-------------------|----------|---------------|-----------------|-------------|
| <a href="#">04/06/17</a> | 17-9023 | Check             | 0.5      | 0.5           | 14.2            |             |

### 162020 Flight Reports

| Date                     | Flt #   | Purpose of Flight | Duration | Running Total | Hours Remaining | Miles Flown |
|--------------------------|---------|-------------------|----------|---------------|-----------------|-------------|
| <a href="#">10/30/15</a> | 16-9010 | Check             | 1.9      | 1.9           | 26.5            |             |
| <a href="#">10/30/15</a> | 16-9012 | Science           | 4.2      | 6.1           | 22.3            |             |
| <a href="#">01/12/16</a> | 16-9031 | Science           | 3.2      | 9.3           | 19.1            |             |
| <a href="#">01/14/16</a> | 16-9035 | Science           | 2.4      | 11.7          | 16.7            |             |
| <a href="#">02/09/16</a> | 16-9039 | Science           | 2        | 13.7          | 14.7            |             |

### 152015 Flight Reports

| Date                     | Flt #   | Purpose of Flight | Duration | Running Total | Hours Remaining | Miles Flown |
|--------------------------|---------|-------------------|----------|---------------|-----------------|-------------|
| <a href="#">11/07/14</a> | 15-6004 | Science           | 3        | 3             | 30.2            |             |
| <a href="#">04/21/15</a> | 15-9034 | Check             | 1.8      | 4.8           | 28.4            |             |

Source URL: [https://airbornescience.nasa.gov/flight\\_reports/ER-2\\_809\\_01\\_12\\_16#comment-0](https://airbornescience.nasa.gov/flight_reports/ER-2_809_01_12_16#comment-0)

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*Flight Reports began being entered into this system as of 2012 flights. If there were flights flown under an earlier log number the flight reports are not available online.*

### 142019 Flight Reports

| Date                                | Flt #   | Purpose of Flight | Duration | Running Total | Hours Remaining | Miles Flown |
|-------------------------------------|---------|-------------------|----------|---------------|-----------------|-------------|
| <a href="#">08/18/14 - 08/19/14</a> | 14-9038 | Science           | 7.8      | 7.8           | 3.2             |             |